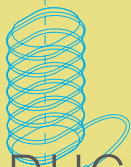
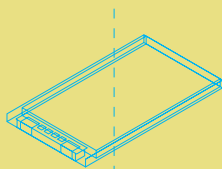


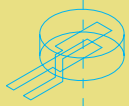
# VARTA Microbattery

mobility for you

## TECHNICAL INFORMATION



PRODUCT OVERVIEW:  
11 DIFFERENT ELECTRO-CHEMICAL SYSTEMS



# VARTA Microbattery

mobility for you

## RECHARGEABLE MICRO BATTERIES

VARTA Microbattery combines entrepreneurial substance, strategic visions and technological competency for constantly improved products, application oriented designs and innovative product development. For more information please visit our internet page [www.varta-microbattery.com](http://www.varta-microbattery.com)

### VARTA Ni-MH BATTERY RANGE

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
------------------	----------	-------------	----------------	---------------	-------------	-------------	------------	------------

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
------------------	----------	-------------	----------------	---------------	-------------	-------------	------------	------------

### VARTA RECHARGEABLE BUTTON CELLS (Ni-MH)

High Capacity Series								
V 11 H	55601	1.2	11	11.5	3.1			1.3
V 15 H	55602	1.2	16	11.5	3.1			1.3
V 40 H	55604	1.2	43	11.5	5.35			1.7
V 80 H	55608	1.2	80	15.5	6.0			4.0
V 150 H	55615	1.2	150		5.85	14.1	25.6	6.0
V 200 H	55620	1.2	220		7.4	14.1	25.6	7.0
V 250 H	55625	1.2	250	25.1	6.7			10.0
CP 300 H	55630	1.2	300	25.1	7.55			11.0
V 350 H	55635	1.2	380	25.1	8.8			13.0
High Temperature Series								
V 18 HRT	55802	1.2	18	11.5	2.3			0.9
V 65 HT	55707	1.2	70	15.5	6.0			4.0
V 110 HT	55711	1.2	120		5.85	14.1	25.6	6.0
V 500 HRT	55850	1.2	510		6.6	24.1	34.1	14.0
HyRate Series								
V 3 HR*	55993	1.2	3.2	6.8	1.35			0.18
V 6 HR	55996	1.2	6.2	6.8	2.15			0.28
V 20 HR	55902	1.2	22	11.5	2.25			0.9
V 60 HR	55906	1.2	60	11.5	5.45			1.8
V 120 HR*	55912	1.2	120	15.5	6.2			4.0
V 450 HR	55945	1.2	460		5.6	24.1	34.1	12.5
V 600 HR	55960	1.2	600		6.8	24.1	34.1	14.5

\* under preparation

### VARTA RECHARGEABLE PRISM. AND CYL. CELLS (Ni-MH)

VH 900 F5	55088	1.2	900		7.4	48.2	14.5	18.0
VH 640 F6M	55064	1.2	600		6.6	33.7	15.9	12.5
VH 860 F6	55090	1.2	860		6.1	48.0	17.0	18.0
VH 1350 F9	55145	1.2	1350		6.2	67.0	17.0	26.0
VH 700 AAA	55170	1.2	700	10.5	43.6			13.0
VH 1200 AA	55112	1.2	1300	14.5	49.1			26.0
VH 1600 AA	55117	1.2	1600	14.5	50.0			27.0
VH 2100 4/5 A	55119	1.2	2150	17.0	43.0			35.0
VH 2700 A	55127	1.2	2700	16.7	48.8			40.0
VH 4000 4/3 A	55140	1.2	3750	17.0	67.0			53.0
powerone)))								
HR 03 / AAA	5103	1.2	700	10.5	44.5			13.0
HR 6 / AA	5106	1.2	2000	14.3	50.5			26.0
HR 14 / C	5114	1.2	3150	26.0	50.0			60.0
HR 20 / D	5120	1.2	3150	33.2	61.5			70.0

### VARTA RECHARGEABLE STANDARD BATTERIES (Ni-MH)

V 7/8 H	5622	8.4	150		17.5	48.5	26.5	47.0
CP 2010 H	55620	3.6	220		15.0	43.3	30.0	28.0
CP 300 H NHS	55630	3.6	300	26.0	32.0			37.0
CP 300 H NHT	55630	3.6	300		10.6	48.0	52.0	38.0

### VARTA RECHARGEABLE LITHIUM BATTERY RANGE

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
------------------	----------	-------------	----------------	---------------	-------------	-------------	------------	------------

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
------------------	----------	-------------	----------------	---------------	-------------	-------------	------------	------------

### VARTA RECHARGEABLE LITHIUM-POLYMER VARTA PoLiFlex® SERIES

PLF 423566	66452	3.7	900		4.2	66.0	35.0	19.0
PLF 383562	66352	3.7	750		3.8	62.0	35.0	16.0
2P/PLF 423566	66452	3.7	1800		4.3	66.0	70.0	38.0
2P/PLF 383562	66352	3.7	1500		3.9	62.0	70.0	32.0
PLF 503759*	66661	3.7	1020		5.0	59.0	37.0	22.0
PLF 443441*	66591	3.7	550		4.4	41.0	34.0	11.5

\* under preparation

### VARTA RECHARGEABLE LITHIUM BUTTON CELLS (Li-Ion)

MC 614	60614	3.0	1.5	6.8	1.4			0.18
MC 621	60621	3.0	3.0	6.8	2.15			0.24
ML 414*	65011	3.0	1.0	4.8	1.4			0.08
ML 1220*	65013	3.0	12.0	12.5	2.0			0.8

\* under preparation

### VARTA RECHARGEABLE PRISMATIC AND CYLINDRICAL CELLS (Li-Ion)

LPP 402025	56415	3.7	130		4.0	25.5	20.5	3.1
LPP 503759CA	56411	3.7	1100		5.1	59.0	37.0	23.0
LIP 363450B	56464	3.7	630		3.6	49.5	33.85	15.0
LIP 423450B	56481	3.7	780		4.6	49.6	33.85	16.9
LIP 553048DC	56482	3.7	820		5.55	48.15	30.0	17.5
LIP 633450BB	56488	3.7	1000		6.5	49.2	33.65	24.0
LIC 18650-22C	56620	3.7	2200	18.25	65.0			46.0
Rechargeable Prismatic and Cylindrical Standard Packs (Li-Ion)*								
LIP 553048CC	56474	3.7	740		5.55	48.3	30.0	17.5
LIC 18650-22C	56620	3.7	2200	18.25	65.0			46.0

\* assembled with wire connector

Micro batteries are also available in different assemblies with various tags.



# VARTA Microbattery

mobility for you

## PRIMARY MICRO BATTERIES

Small, in many cases invisible, microbatteries reliably supply a wide variety of devices with energy. Without microbatteries, many of the products surrounding us would only be possible in much more complex forms, if at all, and would therefore also be much more difficult to handle.

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
------------------	----------	-------------	----------------	---------------	-------------	-------------	------------	------------

### VARTA CARD POWER LITHIUM CELLS (Li-MnO<sub>2</sub>)

LFP 7*	6803	3.0	7		0.4	9.0	29.0	0.3
LFP 25	6804	3.0	25		0.44	22.0	29.0	0.6

\*under preparation

### VARTA LITHIUM CYLINDRICAL CELLS (Li-MnO<sub>2</sub>)

CR 1/2 AA	6127	3.0	950	14.75	25.1			11.5
CR 2/3 AA	6237	3.0	1350	14.75	33.5			15.0
CR 2/3 A	6238	3.0	1350	17.0	33.5			17.0
CR AA	6117	3.0	2000	14.75	50.5			21.5
CR 2 NP	6202	3.0	1400	11.6	60.0			13.0
CR 2/3 AH	6215	3.0	1500	17.0	33.9			16.0
<b>powerone</b>								
CR 123 A	6205	3.0	1400	17.0	34.5			17.0
CR 2	6206	3.0	870	15.6	27.0			11.0

### VARTA LITHIUM BUTTON CELLS (Li-MnO<sub>2</sub>)

CR 1216	6216	3.0	25	12.5	1.6			0.7
CR 1220	6220	3.0	35	12.5	2.0			0.8
CR 1616	6616	3.0	55	16.0	1.6			1.2
CR 1620	6620	3.0	60	16.0	2.0			1.2
CR 2016	6016	3.0	90	20.0	1.6			1.8
CR 2025	6025	3.0	170	20.0	2.5			2.5
CR 2032	6032	3.0	230	20.0	3.2			3.0
CR 2320	6320	3.0	135	23.0	2.0			2.9
CR 2430	6430	3.0	280	24.5	3.0			4.0
CR 2450	6450	3.0	560	24.5	5.0			6.2
CR 1/3 N	6131	3.0	170	11.6	10.8			3.0
<b>powerone</b>								
p 28 pxi	6231	6.0	170	13.0	25.1			8.8

### VARTA ALKALINE MANGANESE BUTTON CELLS (Zn-MnO<sub>2</sub>)

V 3 GA	4261	1.5	30	7.9	3.6			0.6
V 8 GA	4273	1.5	25	11.6	2.1			0.8
V 10 GA	4274	1.5	50	11.6	3.05			1.1
V 12 GA	4278	1.5	80	11.6	4.2			1.6
V 13 GA	4276	1.5	125	11.6	5.4			1.8
V 625 U	4626	1.5	200	15.5	6.1			3.3
<b>powerone</b>								
p 23 ga	4223	12.0	38	10.3	28.5			7.5

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
------------------	----------	-------------	----------------	---------------	-------------	-------------	------------	------------

### powerone PRIMARY CYLINDRICAL CELLS ALKALINE

LR03/AAA	4103	1.5	1.200	10.5	44.5			11.0
LR6/AA	4106	1.5	2.600	14.5	50.5			23.0
LR14/C	4114	1.5	7.800	26.2	50.0			61.0
LR20/D	4120	1.5	16.500	34.2	61.5			134.0
6LR61	4122	9.0	550		17.5	48.5	26.5	46.0

### VARTA SILVER-OXYDE BUTTON CELLS (Ag<sub>2</sub>O)

V 301	301	1.55	155	11.6	4.2			1.78
V 303	303	1.55	170	11.6	5.4			2.33
V 309	309	1.55	70	7.9	5.4			1.08
V 315	315	1.55	20	7.9	1.65			0.4
V 317	317	1.55	8	5.8	1.6			0.18
V 319	319	1.55	16	5.8	2.66			0.25
V 321	321	1.55	13	6.8	1.65			0.25
V 329	329	1.55	36	7.9	3.1			0.6
V 335	335	1.55	5	5.8	1.25			0.15
V 337	337	1.55	8	4.8	1.65			0.13
V 339	339	1.55	11	6.8	1.4			0.22
V 341	341	1.55	11	7.9	1.4			0.27
V 344	344	1.55	100	11.6	3.6			1.49
V 346	346	1.55	10	7.9	1.29			0.3
V 350	350	1.55	100	11.6	3.6			1.49
V 357	357	1.55	180	11.6	5.4			2.33
V 361	361	1.55	18	7.9	2.1			0.4
V 362	362	1.55	21	7.9	2.1			0.4
V 364	364	1.55	20	6.8	2.15			0.33
V 370	370	1.55	30	9.5	2.1			0.6
V 371	371	1.55	44	9.5	2.1			0.61
V 373	373	1.55	23	9.5	1.6			0.5
V 377	377	1.55	27	6.8	2.6			0.39
V 379	379	1.55	14	5.8	2.15			0.23
V 381	381	1.55	45	11.6	2.1			0.9
V 384	384	1.55	38	7.9	3.6			0.69
V 386	386	1.55	105	11.6	4.2			1.78
V 389	389	1.55	85	11.6	3.05			1.31
V 390	390	1.55	80	11.6	3.05			1.32
V 391	391	1.55	40	11.6	2.1			0.9
V 392	392	1.55	38	7.9	3.6			0.69
V 393	393	1.55	65	7.9	5.4			1.08
V 394	394	1.55	67	9.5	3.6			1.04
V 395	395	1.55	42	9.5	2.7			0.75
V 396	396	1.55	25	7.9	2.6			0.55
V 397	397	1.55	30	7.9	2.6			0.5
V 399	399	1.55	42	9.5	2.7			0.75
V 76 PX	4075	1.55	145	11.6	5.4			2.4

# VARTA Microbattery

mobility for you

WWW.VARTA-MICROBATTERY.COM

## Headquarter

**Germany** VARTA Microbattery GmbH Daimlerstraße 1 73479 Ellwangen Germany  
Tel (+49) 79 61 921 - 0 Fax (+49) 79 61 921 - 553

## Subsidiaries

- America** VARTA Microbattery, Inc. 1311 Mamaroneck Avenue, Suite 120 White Plains, NY 10605 United States of America  
Tel (+1) 800 - 468 27 82 Fax (+1) 914 - 345 04 88
- Asia Pacific** VARTA Microbattery Pte. Ltd. 300, Tampines Avenue 5, #05-01, Tampines Junction 529653 Singapore  
Tel (+65) 6 260 58 01 Fax (+65) 6 260 58 12
- France** VARTA Microbattery SARL 12-14, Rue Raymond RIDEL 92250 La Garenne Colombes France  
Tel (+33) (0) 1 - 4784 8454 Fax (+33) (0) 1 - 4784 2832
- GB & Ireland** VARTA Microbattery Ltd. 16 Progress Business Centre Whittle Parkway Slough SL1 6DQ Great Britain  
Tel (+44) 16 28 - 60 79 30 Fax (+44) 16 28 - 60 79 39
- PR China** Hong Kong  
VARTA Microbattery Pte. Ltd. Rm. 1702-3, 17/F., Fullerton Centre 19 Hung to Road Kwun Tong, Kowloon Hong Kong  
Tel (+852) 28 98 83 73 Fax (+852) 28 97 76 09  
Beijing  
VARTA Microbattery Pte. Ltd. Kun Tai Building Unit 1202 No. 10 Chao Wai Post Code 100020 Beijing, China  
Tel (+8610) 65 99 52 77/8 Fax (+8610) 65 99 52 79
- Italy** VARTA Microbattery Italia Stradone S. Fermo, 19 37121 Verona Italy  
Tel (+39) 045 - 8 00 16 15 Fax (+39) 045 - 59 18 78
- Japan** VARTA Microbattery Pte. Ltd. 1-6-12 Kyobashi, chuo-ku Tokyo 104-0031 Japan  
Tel (+81) (3) 35 67 - 81 71 Fax (+81) (3) 35 67 - 81 75
- Nordic** VARTA Microbattery Nordic Langebjergvaenget 8 B, 1. Tv. DK-4000 Roskilde Denmark  
Tel (+45) 2424 8000 Fax (+45) 4675 0150
- South Korea** VARTA Microbattery Pte. Ltd. 11th Floor FKI Bldg. 28-1, Yoido-Dong Youngdeungpo-Ku, Seoul Korea  
Tel (+82) 2 - 78 55 333/4 Fax (+82) 2 - 78 50 069
- Taiwan** VARTA Microbattery Pte. Ltd. 200A Room, 2/F World Trading Building 50, Hsin Shen S. Rd., Section 1 Taipei 100 Taiwan  
Tel (+886) 2 - 33 93 15 57 Fax (+886) 2 - 33 93 15 56

## Distributors

- A** Elbacom GmbH Industriestr. 9, Top 4 2353 Guntramsdorf Austria  
Tel (+43) 22 36 - 86 68 86 - 0 Fax (+43) 22 36 - 86 68 86 - 44
- B** De Munter Batteries Staatskenstraat 16 9000 Gent Belgium  
Tel (+32) 9 - 2 26 28 30 Fax (+32) 9 - 2 27 05 26
- CH** Telion AG Rütistr. 26 8952 Schlieren Switzerland  
Tel (+41) 17 32 16 44 Fax (+41) 17 30 16 49
- E** Incomex, S.L. Paseo Panoramico, 8 08860 Castelldefels, Barcelona Spain  
Tel (+34) 93 - 664 5466 Fax (+34) 93 - 636 5246
- GR** D.&J.Damkalidis S.A. 44 Zefyrou Str. 17564 Paleo Faliro, Athen Greece  
Tel (+30) 1 - 9 41 08 88 Fax (+30) 1 - 9 42 70 58
- NL** Deltron Radikor P.O. Box 50006 1305 AA Almere Netherlands  
Tel (+31) 365 31 - 25 54 Fax (+31) 365 31 - 24 65
- P** Interpilhas Lda. Largo de Santa Barbara, 7-1. 1100 Lisboa Portugal  
Tel (+3512) 1 - 357 23 11 Fax (+3512) 1 - 356 37 89
- TR** Aspilsan AS Organize Sanayi Bölgesi 7. cad. No.4 P.O.Box 501 38070 Kayseri Turkey  
Tel (+90) 352 - 32 11 215 Fax (+90) 352 - 32 11 217

## Internet

[www.varta-microbattery.com](http://www.varta-microbattery.com)